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TI - Solutions for preserving ---organs--- for
---transplantation---

DT - Patent

IN - Liu, Chunjiang; Hetian, Yangsi

PA - Peop. Rep. China

SO - Faming Zhuanli Shenqing Gongkai Shuomingshu, 33 pp.

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AB - The title solns. are composed of low mol.-wt. saccharide 5-240, Na⁺ 5-140, K⁺ 4-140, buffering substance 12-65, anion incapable of permeating cell membrane 1-120 mM, colloidal osmotic pressure-type substance 1-80 mg/L, and water to 1.0 L; its pH is 7-8 and the osmotic pressure is 270-450 mOsm/L. The saccharide is selected from glucose, sucrose, maltose, raffinose, and mycose; the buffering substance from one or more of HPO₄²⁻, H₂PO₄⁻, HCO₃⁻, amino acid, and polypeptide; the anion from one or two of gluconic acid group and lactobionic acid; and the colloid substance from one or more of hydroxyethylstarch, low mol.-wt. dextran, protein, and serum. The soln. may also contain one or more of org. acid, Ca²⁺, Mg²⁺, free radical scavenger, glycerol trinitrate or Na nitroprusside as NO precursor, 3',5'-cyclic-Amp analog, and 3',5'-cyclic-Gmp analog. The org. acid is selected from lactic acid, acetic acid, propanoic acid, citric acid, and 3-hydroxybutanoic acid; and the scavenger from N-acetylcysteine, and glutathione.